

=> fil reg; d que 13  
FILE 'REGISTRY' ENTERED AT 11:37:04 ON 22 OCT 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 21 OCT 2003 HIGHEST RN 607679-40-3  
DICTIONARY FILE UPDATES: 21 OCT 2003 HIGHEST RN 607679-40-3

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

L2 6288 SEA FILE=REGISTRY ABB=ON UGCACUCCAGCCUGAGCGAC|GUCGCUCAGGCUGGAG  
UGCA|UUCAACACUUAAGAAUGGGG|CCCCAUUCUUAAGUGUUGAA/SQSN  
L3 10 SEA FILE=REGISTRY ABB=ON L2 AND SQL<101

=> d rn cn kwic nte lc 13 1-10

L3 ANSWER 1 OF 10 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 502665-34-1 REGISTRY  
CN DNA, d(C-T-C-A-A-G-T-G-G-T-T-C-A-A-C-A-C-T-T-A-A-G-A-A-T-G-G-G-G-A-C-A)  
(9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 226: PN: US20030054371 SEQID: 223 unclaimed DNA  
SQL 32

SEQ 1 ctcaagtggc tcaacactta agaatggga ca  
=====

HITS AT: 10-29  
LC STN Files: CA, CAPLUS, USPATFULL

L3 ANSWER 2 OF 10 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 502663-23-2 REGISTRY  
CN DNA, d(T-T-C-A-A-C-A-C-T-T-A-A-G-A-A-T-G-G-G-G) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 357: PN: US20030054371 SEQID: 353 claimed DNA  
SQL 20

SEQ 1 ttcaacactt aagaatgggg  
=====

HITS AT: 1-20

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*  
LC STN Files: CA, CAPLUS, USPATFULL

L3 ANSWER 3 OF 10 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 502663-22-1 REGISTRY  
CN DNA, d(T-G-C-A-C-T-C-C-A-G-C-C-T-G-A-G-C-G-A-C) (9CI) (CA INDEX NAME)  
OTHER NAMES:

RN 296362-33-9 REGISTRY  
CN DNA, d(T-G-C-A-C-T-C-C-A-G-C-C-T-G-A-G-C-G-A-C) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 221: PN: WO0056856 SEQID: 37 claimed DNA  
SQL 20

SEQ 1 tgcaactccag cctgagcgac  
=====

HITS AT: 1-20

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

LC STN Files: CA, CAPLUS

L3 ANSWER 9 OF 10 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 239189-63-0 REGISTRY  
CN GenBank AI833237 (9CI) (CA INDEX NAME)  
SQL 51

SEQ 1 tttgagatgg agtcttgctc tgtcgctcag gctggagtgc aggggggtga  
=====

HITS AT: 22-41

NTE singlestranded

LC STN Files: GENBANK

L3 ANSWER 10 OF 10 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 204673-71-2 REGISTRY  
CN GenBank AA837701 (9CI) (CA INDEX NAME)  
SQL 97

SEQ 1 gttttgagat ggggtcttgt tctgtcgctc aggctggagt gcagtggtgc  
=====

HITS AT: 24-43

NTE singlestranded

LC STN Files: GENBANK

=> fil capl uspatf; s 13  
FILE 'CAPLUS' ENTERED AT 11:37:41 ON 22 OCT 2003  
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FILE 'USPATFULL' ENTERED AT 11:37:41 ON 22 OCT 2003  
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

L4 5 L3

=> dup rem 14  
PROCESSING COMPLETED FOR L4  
L5 3 DUP REM L4 (2 DUPLICATES REMOVED)  
ANSWERS '1-3' FROM FILE CAPLUS

=> d ibib ab hitrn 1-3; fil hom

L5 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 1  
ACCESSION NUMBER: 2003:222236 CAPLUS  
DOCUMENT NUMBER: 138:253687  
TITLE: Microsatellite repeat polymorphisms in costimulatory receptor locus and PCR primers and method for determination of predisposition to autoimmune diseases  
INVENTOR(S): Ling, Vincent; Wu, Paul; Gray, Gary S.  
PATENT ASSIGNEE(S): Genetics Institute, Inc., USA

HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,			
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,			
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,			
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,			
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,			
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
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AU 2001041413 A5 20010807 AU 2001-41413 20010117			
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US 2003171252 A9 20030911			
US 2002086820 A1 20020704 US 2001-764862 20010117			
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US 2003125246 A9 20030703			
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US 2002086330 A1 20020704 US 2001-764893 20010117			
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US 2002102638 A1 20020801 US 2001-764846 20010117			
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US	2001-764900	B1	20010117
US	2001-764903	A1	20010117

AB The present invention relates to novel immune/hematopoietic-related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "immune/hematopoietic antigens", and the use of such immune/hematopoietic antigens for detecting immune/hematopoietic-related diseases and/or disorders, particularly the presence of cancer and cancer metastases of cells of hematopoietic origin. More specifically, 9752 isolated immune/hematopoietic-assocd. cDNA and 22,912 genomic DNA mols. are provided that encode novel immune/hematopoietic-assocd. polypeptides. Novel immune/hematopoietic polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human immune/hematopoietic assocd. polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the immune system or cells and tissues assocd. with hematopoiesis, including cancers of cells of hematopoietic origin, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compns. for inhibiting the prodn. and function of the polypeptides of the present invention. [This abstr. record is one of twelve records for this document necessitated by the large no. of index entries required to fully index the document and publication system constraints.].

IT **428613-82-5P**  
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(nucleotide sequence; human nucleic acids encoding immune/hematopoietic-

The screenshot shows the NCBI Nucleotide search interface. At the top, there's a navigation bar with links for Entrez, PubMed, Nucleotide, Protein, Genome, Structure, PMC, Taxonomy, and Book. Below the navigation bar is a search bar with fields for 'Search' (containing 'Nucleotide'), 'Limits' (checkbox checked), 'Preview/Index' (checkbox checked), 'History' (checkbox checked), 'Clipboard' (checkbox checked), and 'Details' (checkbox checked). At the bottom, there are buttons for 'Display' (set to 'default'), 'Show' (checkbox checked), 'Send to' (checkbox checked), 'File' (dropdown menu), and 'Get Subsequence'.

1: AY152465. *Homo sapiens* isol...[gi:26984022]

## Links

LOCUS AY152465 63 bp DNA linear PRI 15-DEC-2002  
 DEFINITION Homo sapiens isolate 16 RUNX1/CBFA2T1 translocation breakpoint sequence.  
 ACCESSION AY152465  
 VERSION AY152465.1 GI:26984022  
 KEYWORDS .  
 SOURCE Homo sapiens (human)  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (bases 1 to 63)  
 AUTHORS Zhang, Y., Strissel, P., Strick, R., Chen, J., Nucifora, G., Le Beau, M.M., Larson, R.A. and Rowley, J.D.  
 TITLE Genomic DNA breakpoints in AML1/RUNX1 and ETO cluster with topoisomerase II DNA cleavage and DNase I hypersensitive sites in t(8;21) leukemia  
 JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (5), 3070-3075 (2002)  
 MEDLINE 21874099  
 PUBMED 11867721  
 REFERENCE 2 (bases 1 to 63)  
 AUTHORS Zhang, Y. and Rowley, J.D.  
 TITLE Direct Submission  
 JOURNAL Submitted (19-SEP-2002) Department of Medicine, University of Chicago, 5841 S. Maryland Ave., MC2115, Chicago, IL 60637, USA  
 FEATURES Location/Qualifiers  
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     /isolation\_source="acute myeloid leukemia patient"  
     /db\_xref="taxon:9606"  
     /map="t(21;8) (q22;q22)"  
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 source 38..63  
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     /mol\_type="genomic DNA"  
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/number=5  
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gene 38..>63  
/gene="CBFA2T1"  
/note="synonym: ETO"  
intron 38..>63  
/gene="CBFA2T1"  
/number=1b

ORIGIN

```
1 tcgctctgtc gtcaggctg gagtgcactg gcatgatgaa tataatcaag ttcatcaaga
61 att
```

//

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[NCBI](#) | [NLM](#) | [NIH](#)

Oct 20 2003 14:38:52

The screenshot shows the NCBI Nucleotide search interface. At the top, there's a decorative banner with a DNA helix and the word "Nucleotide". Below it is a navigation bar with links for Entrez, PubMed, Nucleotide, Protein, Genome, Structure, PMC, Taxonomy, and Books. The "Nucleotide" link is highlighted. To the left of the search bar, there are buttons for "Search", "Nucleotide", and "Limits". The search bar itself has a dropdown menu set to "for", a "Preview/Index" button, and a "History" button. Below the search bar are buttons for "Clipboard", "Details", "Display" (set to "default"), "Show" (set to "1"), "Send to" (with a dropdown menu), and "File".

## 1: AI833237. at76d05.x1 Barste...[gi:5455217]

Links

**IDENTIFIERS**

dbEST Id: 2921190  
 EST name: at76d05.x1  
 GenBank Acc: AI833237  
 GenBank gi: 5455217

**CLONE INFO**

Clone Id: IMAGE:2377929 (3')  
 Source: IMAGE Consortium, LLNL  
 DNA type: cDNA

**PRIMERS**

Sequencing: -40UP from Gibco  
 PolyA Tail: Unknown

**SEQUENCE**

TTTGAGATGGAGTCTTGCTCTGTCGCTCAGGCTGGAGTGCAGGGGGGTGAT

Entry Created: Jul 13 1999  
 Last Updated: Jul 13 1999

**COMMENTS**

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further information.

**PUTATIVE ID** Assigned by submitter  
 contains Alu repetitive element;

**LIBRARY**

Lib Name: Barstead colon HPLRB7  
 Organism: Homo sapiens  
 Sex: male  
 Organ: colon  
 Develop. stage: adult, age 25  
 Lab host: DH10B (phage resistant)  
 Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker  
 R. Site 1: EcoRI  
 R. Site 2: NotI  
 Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' TGTTACGAATCTGAAGTGGGAGCGGCCCTTTTTTTTTTTTTTTTT 3']; double-stranded cDNA was ligated to Eco RI adaptors [5' AATTCACTAGTAAT 3' and 5' ATTACTAGTG 3'], digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library constructed by Bob Barstead.

**SUBMITTER**

Name: Wilson RK  
 Institution: Washington University School of Medicine  
 Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108

Tel: 314 286 1800  
Fax: 314 286 1810  
E-mail: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)

**CITATIONS**

Title: WashU-NCI human EST Project  
Authors: Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S., Krizman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F., Theising,B., White,Y., Wylie,T., Waterston,R., Wilson,R.  
Year: 1997  
Status: Unpublished

**MAP DATA**

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Oct 20 2003 14:38:52

The screenshot shows the NCBI Nucleotide search interface. At the top, there's a navigation bar with links for Entrez, PubMed, Nucleotide, Protein, Genome, Structure, PMC, Taxonomy, and Books. Below the navigation bar is a search bar with fields for 'Search' (set to 'Nucleotide'), 'for' (with a dropdown menu), and 'Limits'. There are also buttons for 'Preview/Index', 'History', 'Clipboard', and 'Details'. Underneath the search bar are buttons for 'Display' (set to 'default') and 'Show' (set to '1'). To the right of the search area are several sequence logos representing different nucleotide bases.

1: AA837701. oe06c02.s1 NCI\_CG...[gi:2912900]

[Links](#)

#### IDENTIFIERS

**dbEST Id:** 1559799  
**EST name:** oe06c02.s1  
**GenBank Acc:** AA837701  
**GenBank gi:** 2912900

#### CLONE INFO

**Clone Id:** IMAGE:1385090  
**Source:** NCI  
**Insert length:** 451  
**DNA type:** cDNA

#### PRIMERS

**Sequencing:** -40m13 fwd. ET from Amersham  
**PolyA Tail:** Unknown

#### SEQUENCE

**Quality:** High quality sequence stops at base: 50  
 GTTTGAGATGGGTCTTGTCTCGCTCAGGCTGGAGTCAGTGGTGCATCTGGCT  
 CACTGCAACCTCTGCCTCCAGGTCAAGTGATTCTC

**Entry Created:** Mar 31 1998  
**Last Updated:** Apr 7 1998

#### COMMENTS

Tissue Procurement: Christopher A. Moskaluk, M.D., Michael R. Emmert-Buck, M.D., Ph.D.  
 cDNA Library Preparation: David B. Krizman, Ph.D.  
 cDNA Library Arrayed by: Greg Lennon, Ph.D.  
 DNA Sequencing by: Washington University Genome Sequencing Center  
 Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: [www-bio.llnl.gov/bbrp/image/image.html](http://www-bio.llnl.gov/bbrp/image/image.html)

**PUTATIVE ID** Assigned by submitter  
 contains element PTR5 repetitive element ;

#### LIBRARY

**Lib Name:** NCI\_CGAP\_Ov2  
**Organism:** Homo sapiens  
**Sex:** female  
**Tissue type:** ovary  
**Lab host:** DH10B  
**Vector:** pAMP10  
**Description:** mRNA made from invasive ovarian tumor, cDNA made by oligo-dT priming. Non-directionally cloned. Size-selected on agarose gel, average insert size 600 bp. Reference: Krizman et al. (1996) Cancer Research 56:5380-5383.

**SUBMITTER**

Name: Robert Strausberg, Ph.D.  
E-mail: [cgapbs-r@mail.nih.gov](mailto:cgapbs-r@mail.nih.gov)

**CITATIONS**

Title: National Cancer Institute, Cancer Genome Anatomy Project  
(CGAP), Tumor Gene Index  
Authors: NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>  
Year: 1997  
Status: Unpublished

**MAP DATA**

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Oct 20 2003 14:38:52